SEQUENCE LISTING

	<110> Bruce, Wesley B. Niu, Xiping	
	<120> Novel Plant Promoters and Methods of Use	
	<130> 1165	
	<150> US 60/177,437 <151> 2000-01-21	
	<160> 72	
	<170> FastSEQ for Windows Version 3.0	
	<210> 1	
	<211> 19	
	<212> DNA	
	<213> Triticum aestivum	
	<400> 1	
tgccg	gacac gtggcgcga	19
	<210> 2	
	<211> 27	
	<212> DNA	
	<213> Zea mays	
	<400> 2	2 =
ttcga	gaaga accgagacgt ggcgggc	27
	<210> 3	
	<211> 27	
	<212> DNA	
	<213> Zea mays	
~~~~+	<400> 3	27
geget	cegege caegtgggea tgeegee	
	<210> 4	
	<211> 25	
	<212> DNA	
	<213> Zea mays	
	<400> 4	
ggttg	gtcaca tgtgtaaagg tgaag	25
	<210> 5	
	<211> 28	
	<212> DNA	
	<213> Zea mays	
	<400> 5	20
gatca	atgcat gtcattccac gtagataa	28
	<210> 6	
	<211> 20	
	<212> DNA <213> Cauliflower mosaic virus	
	(21) Cautitionet mosare virus	

	gat gtgatatctc	20
<2	210> 7 211> 28	
	212> DNA 213> Cauliflower mosaic virus	
	100> 7 acg taagggatga cgcacaat	28
_		
	210 > 8	
	211> 20 212> DNA	
	213> Agrobacterium	
	100> 8	20
tgacgtaa	age gettaegtea	20
<2	210> 9	
<2	211> 24	
	212> DNA	
<7	213> Nicotiana tabacum	
	400> 9 ggc ggctcttatc tcac	24
<	210> 10	
<	211> 25	
	212> DNA	
<	213> Glycine max	
	400> 10	
gccctcg	tgt ctcctcaata agcta	25
<	210> 11	
	211> 27	
	212> DNA	
<	213> Glycine max	
	400> 11	2.7
gcaatco	ttt gtctcaataa gttccac	27
	2210> 12	
	211> 22	
	2212> DNA	
<	<pre>&lt;213&gt; Glycine max</pre>	
	<400> 12	22
aagggag	gaca acttgtctcc ca	22
	<210> 13	
	<211> 24	
	<212> DNA	
<	<213> Pisum sativum	
	<400> 13	2.4
atcttgt	tgtg gttaatatgg ctgc	24
	<210> 14	
	<211> 25	

	<212> DNA <213> Arabidopsis thaliana	
	<400> 14	
(	cttcatcttc ttcctccacc aaacg	25
	010 15	
	<210> 15 <211> 23	
	<211> 23 <212> DNA	
	<213> Arabidopsis thaliana	
	400 15	
	<400> 15 atttcatggc cgacctgctt ttt	23
,	atticatege egacotgota tot	
	<210> 16	
	<211> 25	
	<212> DNA	
	<213> Glycine max	
	<400> 16	
	agaagcttcc agaagcttct agaag	25
	210. 17	
	<210> 17	
	<211> 20 <212> DNA	
	<212> DNA <213> Zea mays	
	<213> Zea mays	
	<400> 17	20
	atgcacgaat tgaccattcc	20
	<210> 18	
	<211> 28	
	<212> DNA	
	<213> Petroselinum crispum	
	400 10	
	<400> 18 cataagagcc gccactaaaa taagaccg	28
	Caladyagee gecactadaa taagaceg	
	<210> 19	
	<211> 20	
	<212> DNA	
	<213> Triticum aestivum	
	<400> 19	
	ggccacgtca ccaatccgcg	20
	<210> 20	
	<211> 30	
	<212> DNA	
	<213> Zea mays	
	<400> 20	
	cgggtcagtg tacctaccaa ccttaaacac	30
	<210> 21	
	<211> 21 <211> 28	
	<212> DNA	
	<213> Zea mays	
	.400 01	
	<400> 21	28
	cgtctaactg cgactggcag gtgcgcac	

<210> 22 <211> 29 <212> DNA <213> Petroselinum crispum	
<400> 22 atccggtggc cgtccctcca acctaacct	29
<210> 23	
<211> 15	
<212> DNA <213> Rice tungro bacilliform virus	
<400> 23	15
ccagtgtgcc cctgg	23
<210> 24	
<211> 24	
<212> DNA	
<213> Oryza sativa	
<400> 24	24
taggttaatt attggcggta atta	
<210> 25	
<211> 26	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> synthetic	
<400> 25	26
aaacggtaaa aaagcggtag attacc	26
<210> 26	
<211> 22	
<212> DNA	
<213> Avena sativa	
<400> 26	22
gaaatagcaa atgttaaaaa ta	22
<210> 27	
<211> 27	
<212> DNA	
<213> Glycine max	
<400> 27	
aaaaataata ttaatattat attgaaa	27
<210> 28	
<211> 30	
<212> DNA	
<213> Arabidopsis thaliana	
<400> 28	30
ataagcttta ccattaatgg taaagcttgg	30
<210> 29	
<211> 30	
<212> DNA	

<213> Arabidopsis thaliana	
<400> 29 caatactttc catttttagt aactaagctt	30
Caatacttte Cattttagt aactaagete	
<210> 30	
<211> 22	
<212> DNA <213> Arabidopsis thaliana	
<2135 Alabidopsis chariana	
<400> 30	22
ggtatcgttg accgagttga ct	22
<210> 31	
<211> 26	
<212> DNA	
<213> Petunia hybrida	
<400> 31	
ttgacagtgt cacttgacag tgtcac	26
<210> 32	
<211> 18	
<212> DNA	
<213> Zea mays	
<400> 32	
gatcaaaaaa gtgagatc	18
<210> 33	
<211> 31	
<212> DNA	
<213> Petroselinum crispum	
<400> 33	
attcaatagt gtgctaattg tttaagagtt g	31
<210> 34 <211> 22	
<211> 22 <212> DNA	
<213> Hordeum vulgare	
<400> 34 tqccattgcc accggccccc ca	22
tyccattyce accegocood ou	
<210> 35	
<211> 22	
<212> DNA	
<213> Glycine max	
<400> 35	22
agcagacatg gtaggcagtg ca	22
<210> 36	
<211> 22	
<212> DNA	
<213> Phaseolus vulgaris	
<400> 36	_
tcacctaccc tacttcctat cc	22
<210> 37	
\\\\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	

<211> 30 <212> DNA	
<213> Hordeum vulgare	
<400> 37	30
aatcgtcatg aatgaagtca tgtgacggct	
<210> 38 <211> 25	
<211> 23 <212> DNA	
<213> Nicotiana tabacum	
<400> 38	2.5
aggggcagct tcgacctcct tctcc	25
<210> 39	
<211> 31	
<212> DNA <213> Artificial Sequence	
<220>	
<223> synthetic	
<400> 39	
tcagaacacg caagttgcca gctcacccaa c	31
<210> 40	
<211> 20	
<212> DNA <213> Zea mays	
<400> 40	
<400> 40 agatatgcat gatctttaac	20
agatatgcat gatctttaac <210> 41	20
agatatgcat gatctttaac <210> 41 <211> 29	20
agatatgcat gatctttaac <210> 41	20
agatatgcat gatctttaac  <210> 41  <211> 29  <212> DNA  <213> Zea mays	20
agatatgcat gatctttaac  <210> 41  <211> 29  <212> DNA	20
agatatgcat gatctttaac  <210> 41  <211> 29  <212> DNA  <213> Zea mays  <400> 41	
agatatgcat gatetttaac  <210> 41 <211> 29 <212> DNA <213> Zea mays  <400> 41 tgcggtttct tttggcacaa atggcatga  <210> 42 <211> 30	
agatatgcat gatetttaac  <210> 41 <211> 29 <212> DNA <213> Zea mays  <400> 41 tgcggtttct tttggcacaa atggcatga  <210> 42	
agatatgcat gatetttaac  <210> 41 <211> 29 <212> DNA <213> Zea mays  <400> 41 tgcggtttct tttggcacaa atggcatga  <210> 42 <211> 30 <212> DNA <213> Zea mays	
agatatgcat gatetttaac  <210> 41 <211> 29 <212> DNA <213> Zea mays  <400> 41 tgcggtttct tttggcacaa atggcatga  <210> 42 <211> 30 <212> DNA	
<pre>agatatgcat gatctttaac  &lt;210&gt; 41</pre>	29
agatatgcat gatctttaac  <210> 41 <211> 29 <212> DNA <213> Zea mays  <400> 41 tgcggtttct tttggcacaa atggcatga  <210> 42 <211> 30 <212> DNA <213> Zea mays  <400> 42 <211> 30 <212> DNA <213> Zea mays  <400> 42 aaatctacct ccaaccaacc cagctttgta  <210> 43 <211> 30	29
<pre>agatatgcat gatctttaac  &lt;210&gt; 41</pre>	29
agatatgcat gatctttaac  <210> 41 <211> 29 <212> DNA <213> Zea mays  <400> 41 tgcggtttct tttggcacaa atggcatga  <210> 42 <211> 30 <212> DNA <213> Zea mays  <400> 42 <211> 30 <212> DNA <213> Zea mays  <400> 42 aaatctacct ccaaccaacc cagctttgta  <210> 43 <211> 30	29
<pre>agatatgcat gatctttaac  &lt;210&gt; 41</pre>	29
agatatgcat gatctttaac  <210> 41 <211> 29 <212> DNA <213> Zea mays  <400> 41 tgcggtttct tttggcacaa atggcatga  <210> 42 <211> 30 <212> DNA <213> Zea mays  <400> 42 aaatctacct ccaaccaacc cagctttgta  <210> 43 <211> 30 <211> 30 <213> Zea mays  <400> 42 aaatctacct ccaaccaacc cagctttgta  <210> 43 <211> 30 <211> 30 <211> 30 <211> 30 <212> DNA <213> Zea mays  <400> 43 atcacaccaa cttatcacct agaaaagcga	29
agatatgcat gatctttaac  <210> 41 <211> 29 <212> DNA <213> Zea mays  <400> 41 tgcggtttct tttggcacaa atggcatga  <210> 42 <211> 30 <212> DNA <213> Zea mays  <400> 42 aaatctacct ccaaccaacc cagctttgta  <210> 43 <211> 30 <212> DNA <213> Zea mays  <400> 42 aaatctacct ccaaccaacc cagctttgta  <210> 43 <211> 30 <212> DNA <213> Zea mays  <400> 43 accaccaa cttatcacct agaaaagcga  <210> 44	29
agatatgcat gatctttaac  <210> 41 <211> 29 <212> DNA <213> Zea mays  <400> 41 tgcggtttct tttggcacaa atggcatga  <210> 42 <211> 30 <212> DNA <213> Zea mays  <400> 42 aaatctacct ccaaccaacc cagctttgta  <210> 43 <211> 30 <211> 30 <213> Zea mays  <400> 42 aaatctacct ccaaccaacc cagctttgta  <210> 43 <211> 30 <211> 30 <211> 30 <211> 30 <212> DNA <213> Zea mays  <400> 43 atcacaccaa cttatcacct agaaaagcga	29

<400> 44 ccttttgtct cccttttgtc tc	22
<210> 45 <211> 28	
<212> DNA	
<213> Oryza sativa	
<400> 45	2.0
cgaggtgggc ccgtaggtgg gcccgtat	28
<210> 46	
<211> 24	
<212> DNA <213> Petroselinum crispum	
<400> 46	24
taccttttta cccttcatgt catc	21
<210> 47	
<211> 25 <212> DNA	
<212> DNA <213> Pisum sativum	
(213) Higum Sacivam	
<400> 47	25
gtcgacaaaa gttaggttag caggc	
<210> 48	
<211> 21	
<212> DNA	
<213> Hordeum vulgare	
<400> 48	21
ggccgataac aaactccggc c	21
<210> 49	
<211> 27	
<212> DNA	
<213> Lycopersicon esculentum	
<400> 49	27
ttttattccc aacaatagaa agtcttg	2,
<210> 50	
<211> 22	
<212> DNA	
<213> Nicotiana tabacum	•
<400> 50	22
gatttggtca gaaagtcagt cc	22
<210> 51	
<211> 31 <212> DNA	
<212> DNA <213> Triticum aestivum	
<400> 51 gtagtgccac caaacacaac ataccaaatt a	31
gragrycodo cadacadaa aracedaarr a	
<210> 52	
<211> 21	

<212> DNA	
<213> Brassica napus	
<400> 52	
gatcccacat acacatacac g	21
5	
<210> 53	
<211> 27	
<212> DNA	
<213> Helianthus annuus	
<400> 53	
cagctccaaa tggtgatctt ctcctgg	27
cagococada eggegacoco eser-55	
<210> 54	
<211> 20	
<212> DNA	
<213> Helianthus annuus	
(213) herranthus annuas	
.400. 54	
<400> 54	20
tatacagatg tagcatgtct	
<210> 55	
<211> 25	
<212> DNA	
<213> Zea mays	
<400> 55	25
ttgacgtgta aagtaaattt acaac	25
<210> 56	
<211> 22	
<212> DNA	
<213> Pisum sativum	
<400> 56	
gacacgtaga atgagtcatc ac	22
<210> 57	
<211> 26	
<212> DNA	
<213> Zea mays	
<400> 57	
gtccctctcc cgtcccagag aaaccc	26
<210> 58	
<211> 20	
<212> DNA	
<213> Nicotiana tabacum	
<400> 58	
tgtcccccaa cggtcttatt	20
-	
<210> 59	
<211> 20	
<212> DNA	
<213> Arabidopsis thaliana	
•	
<400> 59	
atatcatacc gacatcagtt	20

<210> 60 <211> 20 <212> DNA <213> Arabidopsis thaliana	
<400> 60 atatactacc gacatgagtt	20
<210> 61 <211> 31	
<211> 31 <212> DNA	
<213> Arabidopsis thaliana	
<400> 61	21
gataaagatt acttcagata taacaaacgt t	31
<210> 62	
<211> 23	
<212> DNA <213> Nicotiana tabacum	
(213) NICOCIANA CABACAM	
<400> 62	23
ttcccctagc tagatacttc att	
<210> 63	
<211> 27	
<212> DNA	
<213> Pisum sativum	
<400> 63	0.5
cgattattga gatatataat aaattag	27
<210> 64	
<211> 21	
<212> DNA	
<213> Lycopersicon esculentum	
<400> 64	
cgaaaacata cgcgcgaaat t	21
<210> 65	
<211> 413	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> synthetic	
<400> 65	
taggttaatt tattgggcgg taattatagc ttcgagaaga accgagacgt ggcgggctag	60
cttcgagaag aaccgagacg tggcgggcta gctaggttaa ttattggcgg gtaattatag	120 180
ctccactgac gtaagggatg acgcacaatt agctaggtta attattggcg ataattatag	240
ctaggttaat tattggcggt aattatagca tatcataccg acatcagttt agctaggtta attattggcg gtaattatag catatcatac cgacatcagt ttagcatatc ataccgacat	300
cagtttaget ceaetgaegt aagggatgae geacaattag catateatae egacateagt	360
ttagcatatc ataccgacat cagtttagct tcgagaagaa ccgagacgtg gcg	413
<210> 66	
<211> 392	
<212> DNA	
<213> Artificial Sequence	

<211> 198 <212> DNA

```
<220>
      <223> synthetic
      <400> 66
gctaaactga tgtcggtatg atatgctagc ccgccacgtc tcggttcttc tcgaagctaa
                                                                        60
                                                                       120
actgatgtcg gtatgatatg ctaattgtgc gtcatccctt acgtcagtgg agctagcccg
ccacgtctcg gttcttctcg aagctaaact gatgtcggta tgatatgcta taattaccgc
                                                                       180
                                                                       240
caataattaa cctagctaat tgtgcgtcat cccttacgtc agtggagcta aactgatgtc
                                                                       300
ggtagatatg ctaatacggg cccacctacg ggcccacctc ggctaatacg ggcccaccta
                                                                       360
cgggcccacc tcggctaaac tgatgtcggt atgatatgct aattgtgcgt catcccttac
                                                                       392
gtcagtggag ctaaactgat gtcggtatga ta
      <210> 67
      <211> 314
      <212> DNA
      <213> Artificial Sequence
      <220>
      <223> synthetic
      <400> 67
tagcatatca taccgacatc agtttagcat atcataccga catcagttta gctccactga
                                                                       120
cgtaagggat gacgcacaat tagccgaggt gggcccgtag gtgggcccgt attagcttcg
agaagaaccg agacgtggcg ggctagccga ggtgggcccg taggtgggcc cgtattagct
                                                                       180
tcgagaagaa ctgagacgtg gcgggctagc atatcatacc gacatcagtt tagctaggtt
                                                                       240
aattattggc ggtaattata gctaggttaa ttattggcgg taattatagc ttcgagaaga
                                                                       300
                                                                       314
accgaggacg tggc
      <210> 68
      <211> 278
      <212> DNA
      <213> Artificial Sequence
      <220>
      <223> synthetic
      <400> 68
 tagcttcgag aagacgtggc gggccgccac gtctcggttc ttctcgaagc tataattacc
                                                                         60
 gccaataatt aacctagcta taattaccgc caataattaa cctagctata attaccgcca
                                                                        120
 ataattaacc tagctaaact gatgtcggta tgatatgcta aactgatgtc ggtatgatat
                                                                        180
                                                                        240
 gctaaactga tgtcggtatg atatgctaaa ctgatgtcgg tatgatatgc tagcccgcca
                                                                        278
 cgtctcggtt cttctcgaag ctaatacggg cccaccta
       <210> 69
       <211> 348
       <212> DNA
       <213> Artificial Sequence
       <220>
       <223> synthetic
       <400> 69
 cgaggtgggc ccgtaggtgg gcccgtatta gctccactga cgtaagggat gacgcacaat
                                                                         60
 tagctaggtt aattattggc ggtaattata gctccactga cgtaagggat gacgcacaat
                                                                        120
 tagcatatca taccgacatc agtttagctc cactgacgta agggatgacg cacaattagc
                                                                        180
                                                                         240
 tccactgacg taagggatga cgcacaatta gccgaggtgg gcccgtaggt gggcccgtat
                                                                         300
 tccactgacg taagggatga cgcacaatta gccgaggtgg gcccgaggtg ggcccgtatt
                                                                         348
 agcatatcat accgacatca gtttagcttc gagaagaacc gagtcgag
       <210> 70
```

<213> Artificial Sequence	
<220> <223> synthetic	
<400> 70 taaactgatg teggtatgat aatgecaace eggeaacgte eeggttette tegaagetat aattacegee aataattaac etagetaace tgatgteggt atgatatget aattgtgegt eatecettae gteagtggag etaattgtge gteatecett aegteagtgg ageteeactg aacgtaaggg atgacgte	60 120 180 198
<210> 71 <211> 302 <212> DNA <213> Artificial Sequence	
<220> <223> synthetic	
<400> 71 ttgtgcgtca tcccttacgt cagtggagta attaccgcca ataattaacc tagctaaact gatgtcggta tgatatgcta aactgatgtc ggtatgatat gctagcccgc cacgtctcgg ttcttctcga agctaatacg ggcccaccta cgggcccacc tcggctaaac tgatgtcggt atgatatgct aatacgggcc cacctacggg cccacctcgg ctagcccgcc acgtctcggt tcttctcgaa gctaaactga tgtcggtatg atatgctaaa ctgatgtcgg tatgatatgc ta	60 120 180 240 300 302
<210> 72 <211> 157 <212> DNA <213> Artificial Sequence	
<220> <223> synthetic	
<pre>&lt;400&gt; 72 gtgcgtcatc ccttacgtca gtggagcttc gagaagaacc gagacgtggc gggctagcta ggttaattat tggcggtaat tatagctcca ctgacgtaag agcttcgaga agaaccgaga cgtggcgggc tagcatatca taccgacatc agtttag</pre>	60 120 157